

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-4. (canceled).

5. (previously presented) An isolated TCL-1 protein comprising an amino acid sequence encoded by a first nucleic acid that hybridizes under stringent conditions to a second nucleic acid that consists of the complement of the nucleotide sequence of SEQ ID NO: 1 from nucleotide 49 to nucleotide 387, wherein the stringent conditions comprise washing at 50°C in 0.015 M sodium citrate, and 0.1% sodium dodecyl sulfate.

6. (previously presented) An isolated TCL-1 protein comprising the amino acid sequence of SEQ ID NO: 2 from amino acid number 1 to 113.

7. (currently amended) A fragment of the protein of Claim 6 which can be specifically bound by an antibody which also binds to a the TCL-1 protein of SEQ ID NO: 2.

8-12. (canceled).

13. (previously presented) A fusion protein comprising a TCL-1 protein sequence of at least 10 amino acids linked to a non-TCL-1 protein sequence, wherein the TCL-1 protein sequence is encoded by a first nucleic acid that hybridizes under stringent conditions to a second nucleic acid that consists of the complement of the nucleotide sequence of SEQ ID NO: 1 from nucleotide 49 to nucleotide 387, wherein the stringent conditions comprise washing at 50°C in 0.015 M NaCl, 0.0015 M sodium citrate, and 0.1% sodium dodecyl sulfate.

14-16. (canceled).

17. (previously presented) A method for producing a recombinant TCL-1 protein comprising:

(a) culturing a host cell transformed with a recombinant expression vector comprising a nucleotide sequence that encodes a TCL-1 protein such that the TCL-1 protein is expressed by the cell; and

(b) recovering the expressed TCL-1 gene protein,
wherein a first nucleic acid molecule consisting of said nucleotide sequence hybridizes under stringent conditions to a second nucleic acid that consists of the complement of the nucleotide sequence of SEQ ID NO: 1 from nucleotide 49 to nucleotide 387, and wherein the stringent conditions comprise washing at 50°C in 0.015 M NaCl, 0.0015 M sodium citrate, and 0.1% sodium dodecyl sulfate.

18. (currently amended) An isolated protein comprising an amino acid sequence having at least 70% amino acid sequence identity to the amino acid sequence depicted in SEQ ID NO: 2, over a contiguous sequence of at least 25 amino acids, whereby said isolated protein binds an antibody which also binds the TCL-1 protein of SEQ ID NO: 2.

19. (currently amended) An isolated protein comprising an amino acid sequence having at least 70% amino acid sequence identity to the amino acid sequence depicted in SEQ ID NO: 2, over a contiguous sequence of at least 50 amino acids, whereby said isolated protein binds an antibody which also binds the TCL-1 protein of SEQ ID NO: 2.

20-65. (canceled)